

**NEW**

# ALTERNATIVE ENERGY COURSES

## Introduction to Alternative Energy

**TECH 296-01** (3 credits)

8/29/11 – 12/12/11

**6 to 9:55 p.m., Mondays**



This course explores the basic principles of energy systems for both renewable and conventional energy. Topics include energy generation, flow, conversion, storage, economics, consumption, sustainability, conservation, environmental impact and regulatory concerns.

## Introduction to Photovoltaic and Solar Energy

**TECH 296-02** (3 credits)

8/30/11 – 12/12/11

**1:30 to 5:30 p.m., Tuesdays**



This course introduces the basics of solar energy collection, conversion, transmission and storage in both thermal and photovoltaic systems. Topics include solar radiation, domestic hot water systems, PV modules, battery systems, inverters, grid-tie components and regulations.